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APPLICATION NO.	FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/754,543	01/12/2004		Jae-Bon Koo	6161.0124.US	9288
58027	7590	03/13/2006		EXAMINER	
		OCIATES, PLC	ERDEM, FAZLI		
8500 LEESB SUITE 7500		Œ		ART UNIT	PAPER NUMBER
VIENNA, V		2	2826		

DATE MAILED: 03/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

3				13/2				
ŗ		Application No.	Applicant(s)					
		10/754,543	KOO ET AL.					
Office Action Summary		Examiner	Art Unit					
		Fazli Erdem	2826					
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with th	e correspondence address -	-				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply b vill apply and will expire SIX (6) MONTHS f cause the application to become ABANDO	ION. e timely filed rom the mailing date of this communica DNED (35 U.S.C. § 133).					
Status								
1)🛛	Responsive to communication(s) filed on 23 No.	ovember 2005.						
2a)□	This action is FINAL . 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4) 🖾	Claim(s) 1.2 and 6-40 is/are pending in the app	olication.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)🛛	Claim(s) <u>38-40</u> is/are allowed.							
6)🛛	☑ Claim(s) <u>1,2 and 32</u> is/are rejected.							
·	Claim(s) <u>6-31 and 33-37</u> is/are objected to.							
8)	Claim(s) are subject to restriction and/or	r election requirement.						
Applicat	ion Papers							
9)	The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
	Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).					
_	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Off	ice Action or form PTO-152	•				
Priority (under 35 U.S.C. § 119							
-	Acknowledgment is made of a claim for foreign ☑ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119	(a)-(d) or (f).					
	1. Certified copies of the priority documents	s have been received.						
	2. Certified copies of the priority documents	* *						
	3. Copies of the certified copies of the prior	· •	eived in this National Stage					
* 0	application from the International Bureau		ان					
* \$	See the attached detailed Office action for a list	of the certified copies not rece	ivea.					
Attachmen	t(s)							
	ce of References Cited (PTO-892)	4) Interview Summ						
3) 🔲 Infori	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	Paper No(s)/Ma 5) Notice of Inform 6) Other:	al Patent Application (PTO-152)					

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Allowable Subject Matter

1. Claims 38-40 allowed.

2. Claims 6-31 and 33-37 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1, 2 and 32 rejected under 35 U.S.C. 103(a) as being unpatentable over Kato et al (2003/0183854) in view of Ueda (JP 04-279064) further in view of JP (6-59278)

Regarding Claims 1, 2 and 32, Kato et al. disclose a semiconductor device, method of manufacturing the same and method of designing the same where in Fig. 16a, P-channel TFT 501 has a different dimension than the N-channel TFT 502. Furthermore, the abstract section of Kato et al discloses that the semiconductor device is formed by laser crystallization. Kato et al. fail to disclose the two different channel thicknesses and the required physical makeup of polysilicon layer of two TFTs. However, Ueda discloses a display device where TFT 15 of display section and TFT 16 of driver circuit are manufactured at different processes and TFT15 has a smaller channel thickness than the channel of TFT16. Furthermore, JP 6-59278 discloses a liquid crystal display device

where the physical makeup of the polysilicon layer of the first TFT is different than the physical makeup of the second TFT.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required two channels with different thicknesses and the required physical makeup of the first and the second TFTs' polysilicon layers in Kato et al. al. as taught by Ueda and JP 6-59278, respectively, in order to have a liquid crystal display device with increased performance and reliability.

Regarding the last two paragraphs of this claim, examiner disregards the process parts since only the final product is relevant regardless of the process that is used to make the product, i.e., product by process.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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FE March 5, 2006